

# JOHN SANDS SEGA HOME COMPUTERS



The total technology home computer system for education, personal business, fun and games.



**Why this total technology system is the best one for you and your family.**

John Sands Sega introduces you to a world of computer componentry and innovation which is at the forefront of today's technology.

Once you take your John Sands Sega home, simply connect it to your color television set – or even an old black and white one – and you're immediately in the exciting and involving world of home computing; there's nothing more to spend!

There's a wide range of all types of programs which you can use immediately – and with your John Sands Sega system you can write an infinite number of programs of your own.

In addition, you can enjoy a wide range of games programs which are available on cassettes, cartridges and disks.

With the John Sands Sega you have a computer which allows you to use your own standard audio cassette player for recording and keeping the programs you write, and you can add on components such as the John Sands Sega Plotter/Printer, Super

Control Station, Data Recorder, Joysticks and Steering Wheel/ Accelerator as you require.

The total technology of the John Sands Sega system is definitely the first, and a very important, reason for choosing this Home Computer in preference to any other. But there's another thing which you should think about too.

John Sands has been a leading Australian company in the communications and leisure fields for more than 145 years – as well as being in the computer services industry since 1969. We are known for the quality and service we offer in every product bearing our name, and we jealously guard our reputation. We recognise our responsibility to every customer, and this is further reflected in the fact that we offer every John Sands Sega computer buyer a free, 5 hour education course. When you buy your John Sands Sega Home Computer, you can do so with confidence.

## **Home Computing with John Sands Sega.**

**Starting now is the best time to start – for everyone in the family!**

Computers affect everyone's daily life – however old or young we may be.

To be able to use a computer at home – and enjoy its virtually unlimited potential – is an interest and ability which is of great benefit to children, teenagers and adults.

Computers are already being used in rapidly and ever increasing numbers throughout Australian schools. It will be as natural for our children to live with computers as it was for the previous generation to be born into the television era.

Computers help us to help our children learn more easily, and to enjoy the learning process.

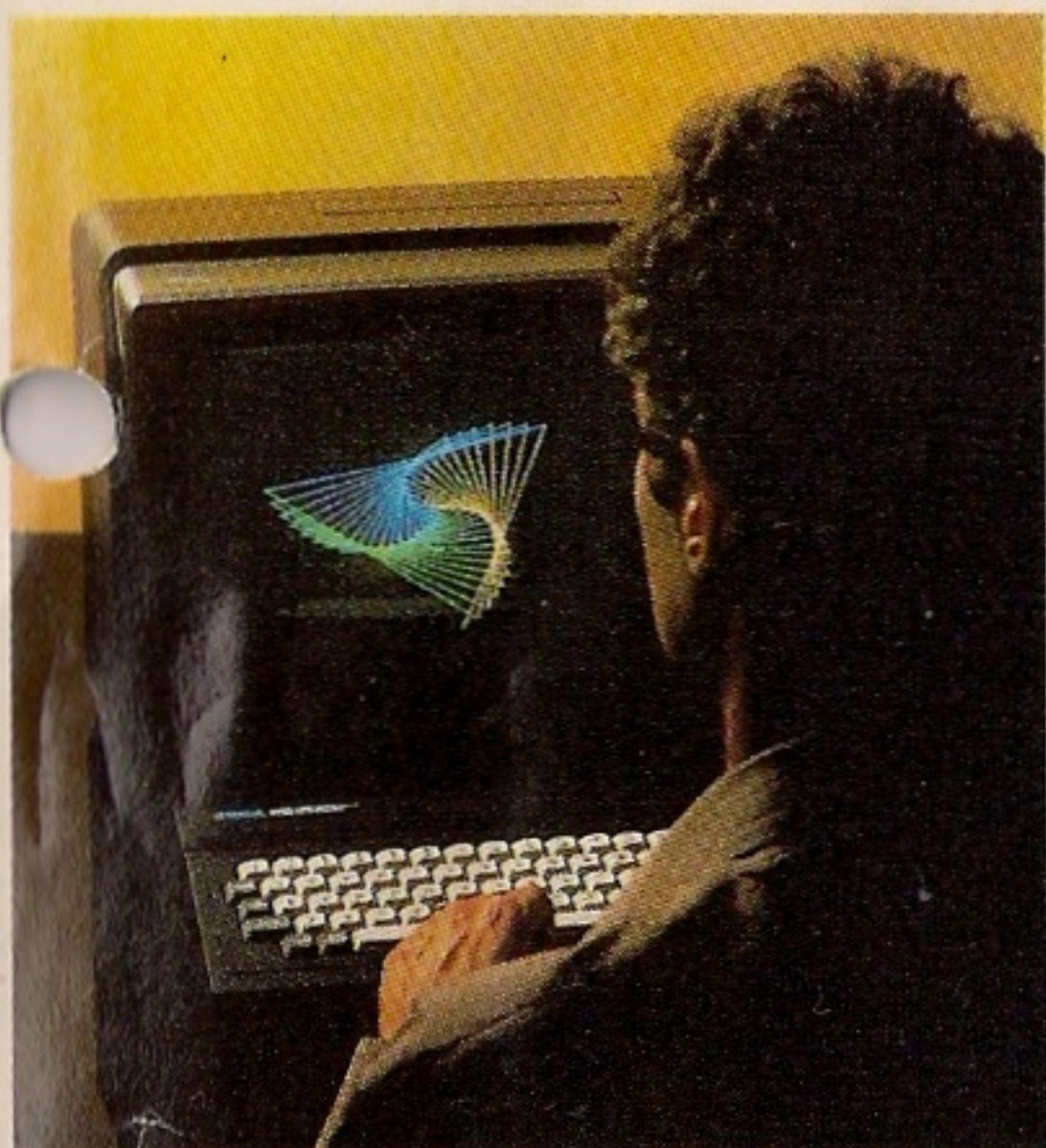
Home computing enables everyone to tap into a literally vast world of knowledge, entertainment and enjoyment. A home computer can broaden the desire for learning in both children and adults. And it makes the learning more easily remembered.

The John Sands Sega can be used to process and impart information about an unlimited variety of subjects. It can help with division, tables, and other

mathematical formulae. It can teach geography, create and change mailing lists, calculate the nutritional value of your diet, help you learn correct spelling. It can harness your creative abilities and improve your graphic art. It can help you compose original music and melodies.

It can do amazing things with the words you write in essays, reports, letters, documents... move words around... change the order of paragraphs... add extra paragraphs... take out words... in fact it can offer you a complete 'word processing' capability. Once you're satisfied with the result you see on the screen – just ask your John Sands Sega to print it on paper!





You can insert all your important home business facts into the Sega – and by updating it from month to month you would know of many things you need to do or keep a check on. Instead of looking through a wad of papers about insurances, the mortgage, accounts to be paid, and all life's other necessities, you could keep all this information in one computer file and call it up on the screen whenever you feel like it.

You can keep tabs on every stamp in a stamp collection. Check up on how much it cost you, how much it's worth today. You can use your Sega to help balance your budget by inserting your income and your regular monthly expenses. You can find out how much it's costing you to run the boat. Whether that bottle of 1976 claret is ready to open yet. What ingredients to use in special recipes.

You can use your John Sands Sega as a diary, as a notebook!

Sega has literally incredible graphic abilities too. You can use your television screen as a canvas for unlimited artistic and imaginative ideas. You can create illustrations, patterns, charts, blocks of colors, graphs – virtually anything you can see in your mind you can produce on the screen. You have a choice of 16 colors! and these can produce up to 225 different color hues!

Another amazing graphic feature of the John Sands Sega is that it will provide 32 planes of GRAPHIC SPRITES. A sprite is a shape, or symbol or graphic which you create, which you can move around the screen at your command. But in this case, you have 32! This means that you can make airplanes fly behind clouds, ships pass each other, animals hide behind trees, people enter buildings and disappearing inside, cars turning corners, and you can create very real three dimensional effects. With your John Sands Sega, you can also have words and graphics on the screen at the same time. Besides being a master of the arts, your Sega is also a musician of extraordinary talent too. You can compose and play back music on your computer

from the most simple to the extremely complex. By using the MUSIC cartridge, you can compose and play melodies at any tempo or rhythm you decide. And that's not all! With your Sega, you can also create sound effects – such as sirens, explosions, motors, even falling objects!

People with home computers will be able to communicate with many thousands of other computer owners throughout Australia and the world. You'll be able to tap huge 'data banks' and find out information as diverse as the latest stock exchange reports to weather patterns to international news! New data banks are being set up all the time and people with all types of special interests will be able to use them at will.

By choosing John Sands Sega you can rest assured that you are choosing a system which is based on today's most sophisticated technology.





## John Sands Sega SC3000H Home Computer.

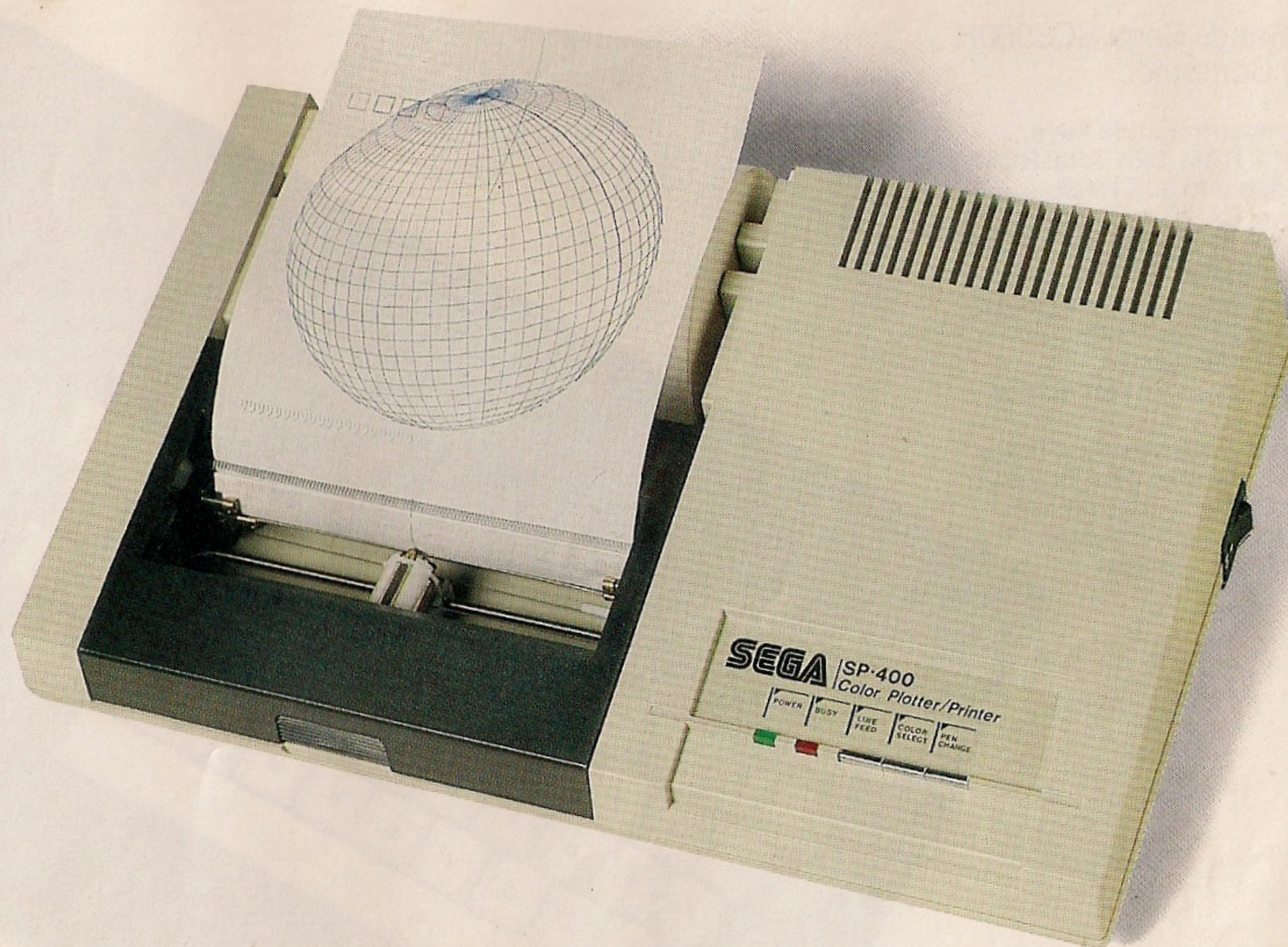
**Hard typewriter style keys.**  
**48K Total RAM. 32K Total ROM.**  
**Expandable to 80K RAM.**

- High level BASIC language.
- High resolution graphics.
- 32 graphic sprites.
- Standard typewriter key layout.
- Multi-function keyboard
- Full, on-screen editing.
- 48 single keystroke commands.
- 16 colors.
- 3 channel, 5 octave sound range.
- Connects to either color or B&W television set, or video monitor.
- Connects to most standard audio cassette players.





John Sands Sega SP400  
Plotter/Printer.



- High resolution plotting.
- Four colors.
- Multi-directional printing.
- Programmable character size

A high quality, 4 color plotter/printer – using black, red, green and blue inks. Prints 38 characters per line on standard roll paper (4.5 inches wide x 180 feet length). The character printing size can be programmed from 1.5mm x 1mm to 78mm x 52mm.

Simply plugs into the back of your John Sands Sega computer, and on the instruction LPRINT will print anything you command. The quality of printing enables you to produce incredibly detailed graphics

of superb resolution, letters and numbers. All in either one, two, three or four colors.

The printer will generate graphs, fully dimensional perspectives, charts and as many visual displays as your imagination can create.

It will function as a word processor, note writer, or program listing device. Which is all part of the total technology system.



## John Sands Sega SF7000 Super Control Station/Disk Drive.

- Total technology 3 inch micro disk drive.
- 156K bytes working capacity. 312K bytes storage capacity.
- High speed. (Baud transfer rate 250K).
- RAM Memory expansion 80K bytes total RAM.
- Centronics and RS232C interfaces.
- Extended BASIC language.

The Sega SF7000 Super Control Station/Disk Drive is a complete expansion system, using the latest 3 inch (76.2mm) compact Micro Disk – which has a very high capacity, and even higher speed than the old 5.25 inch floppy disks.

Each 3 inch disk can hold up to 312K bytes (319,488 characters) of user formatted storage – which is equal to 200 quarto pages of double spaced type – and probably far more than you'll ever use in a purely home computing environment – but very handy to have!

With this super control station/disk drive attached to your John Sands Sega computer, you have a very powerful 80K of RAM. This puts you into a vast area of powerful programs for use in the home and personal business environment. You can also transfer your own cassette programs to the disk to gain all the benefits of disk usage.

Disks are extremely fast and allow you to merge various types of programs with each other, to LOAD, SAVE, READ, WRITE and APPEND all kinds of data and information files, spreadsheets (columns of figures or data under separate headings across the page), and so on – in a split second.

The John Sands Sega Super Control Station/Disk Drive unit has an in-built Centronics standard interface. This allows you to connect high speed dot matrix printers, ink jet and thermal printers – or daisywheel printers for letter quality printing. Your Sega control station/disk drive really is a sophisticated piece of componentry and offers far more than conventional disk drive units. It also has a built-in RS232C standard interface which connects to serial printers and many computer peripherals or accessories – including modems and acoustic couplers for communicating with private and public data bases as we mentioned before. You have total flexibility – total control.





## John Sands Sega SR1000 Data Recorder.

- Pre-set tone and volume controls.
- Automatic Start/Stop when saving.
- Automatic level control.
- Tape counter for faster program access.

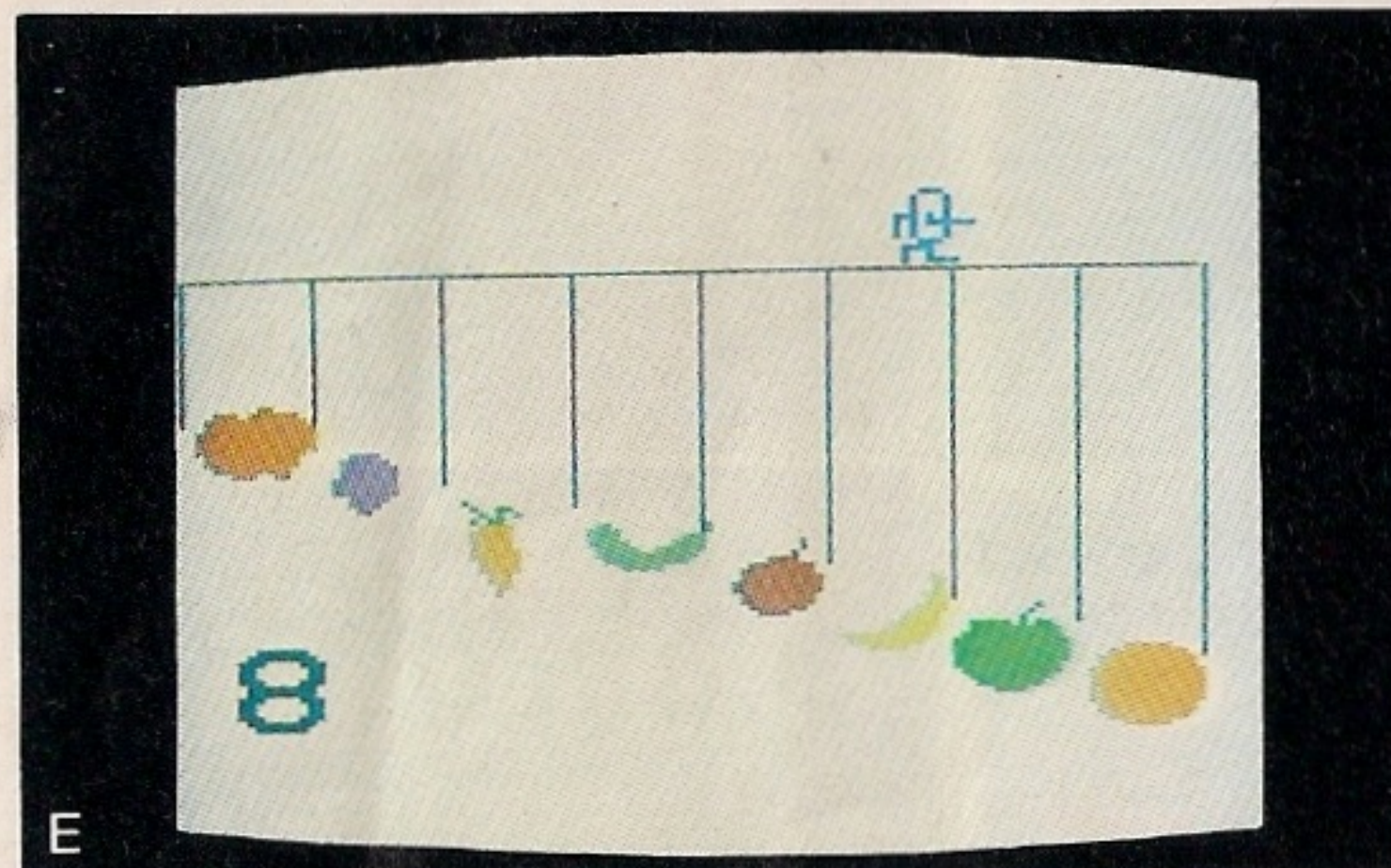
The Data Recorder is extremely reliable, of very high quality and has been specifically developed for use with the John Sands Sega computer. It is considered to be twice as fast as most other data recorders and has features which include tape counter, SAVE button, LOAD button, REWIND and FAST FORWARD controls and a two function STOP/EJECT button. The John Sands Sega SR1000 lets you store and recall programs, music and any data which you have saved yourself – on ordinary audio cassette tape. The in-built automatic level control circuit has pre-set tone and volume levels which self-adjusts the recording level to the exact requirements of the computer.



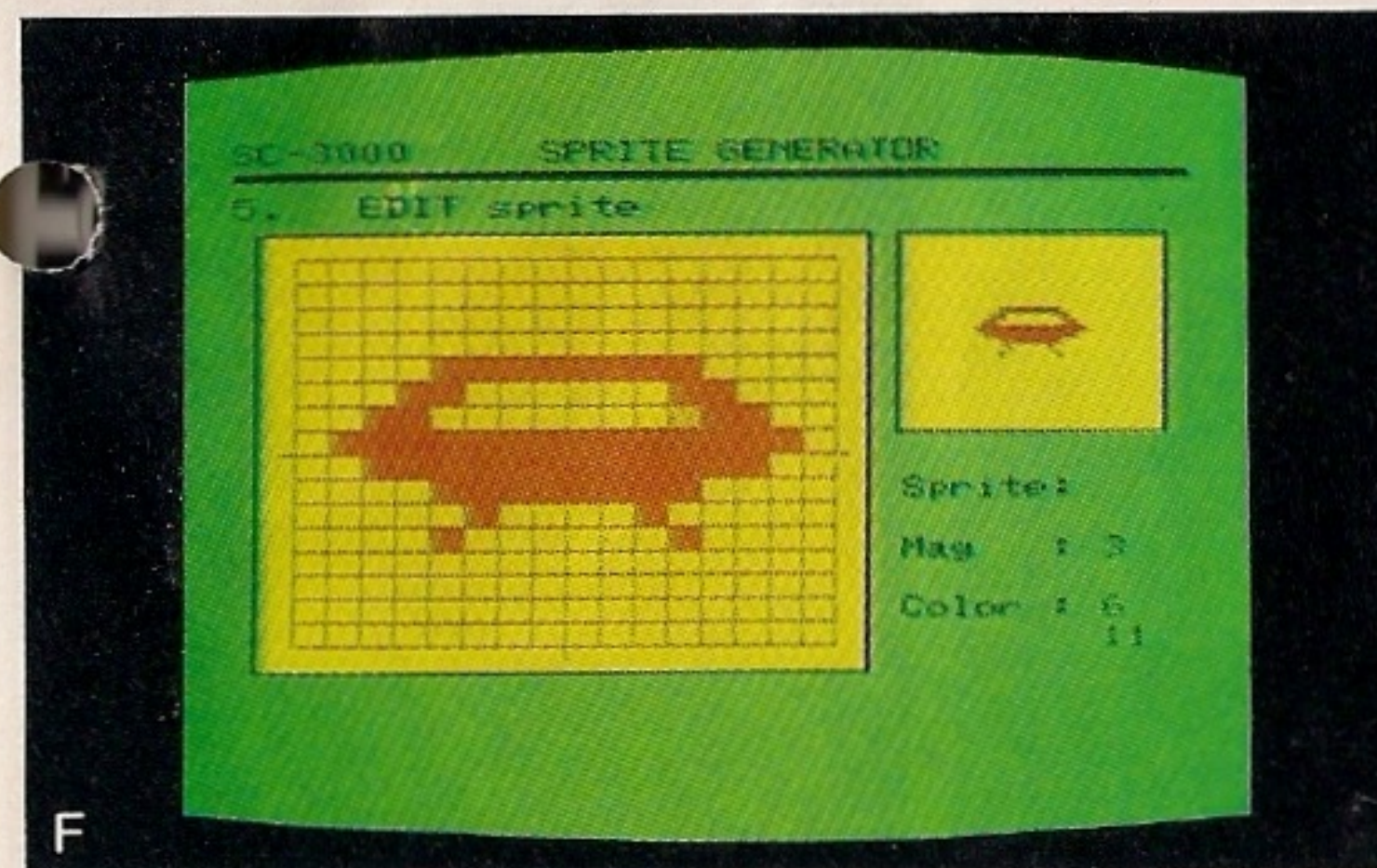




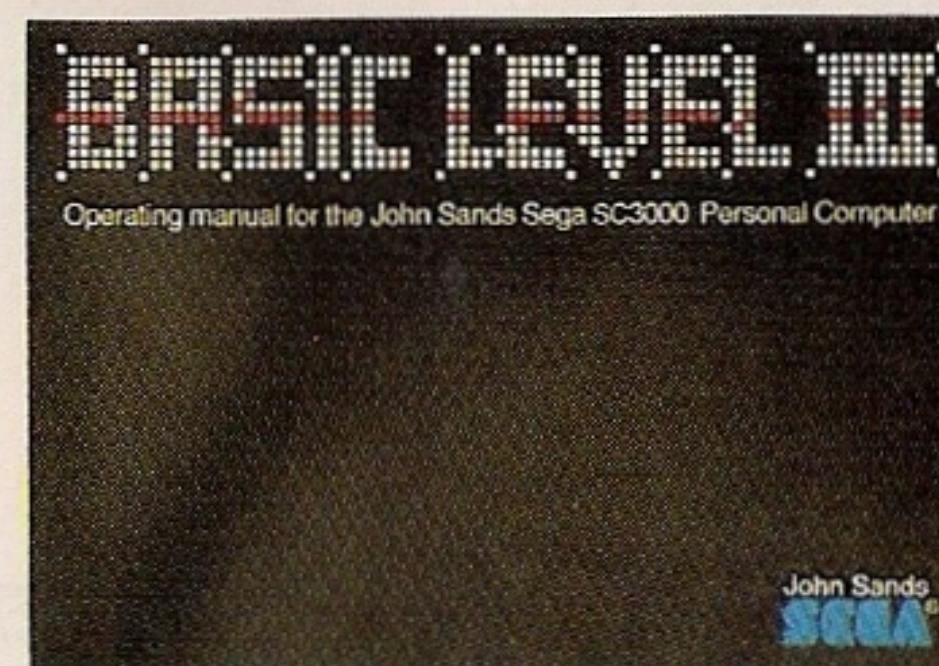
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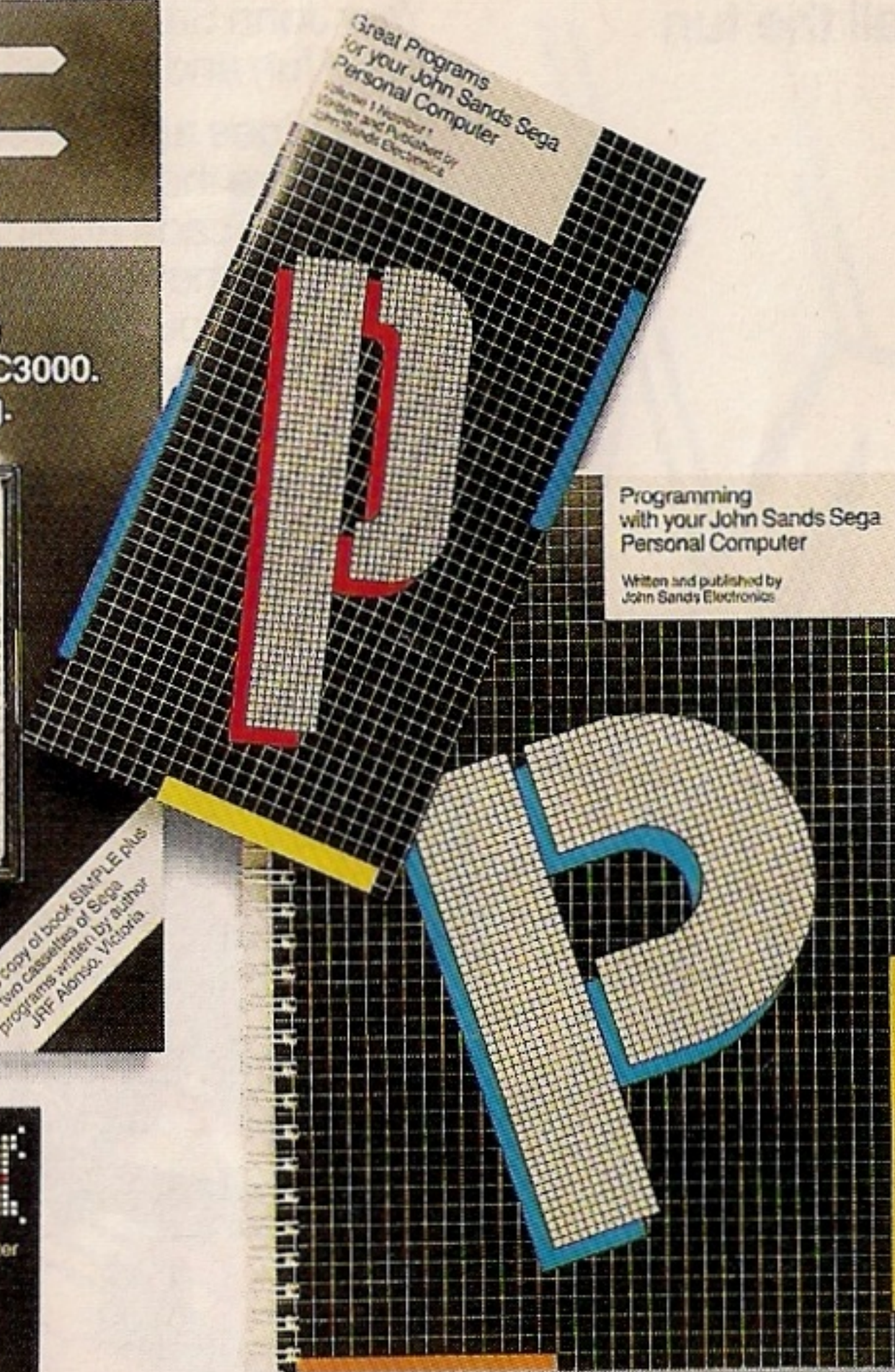
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F



- A. Satellite Subtraction
- B. Australian Geography Tutor
- C. Metric Mentals
- D. Multiplication Tutor
- E. Learning to Count
- F. Sprite Generator





Here's where all the fun starts!

Your John Sands Sega is the home computer that's full of fun and games!

### Cartridges and Cassettes.

These are the ones the whole world plays with! Sega is arcade quality, arcade fun! Because Sega makes games that are played in arcades all over the world! Yet you don't have to leave home to get all that pleasure for yourself!

There are text adventures to stretch your imagination, strategy games to flex your wits as you avoid the tight spots! You can also enjoy gambling, card and counter games, puzzling games and many others. And if you're an armchair athlete we've got plenty of sports games like golf, tennis, baseball, motor racing, and plenty more.

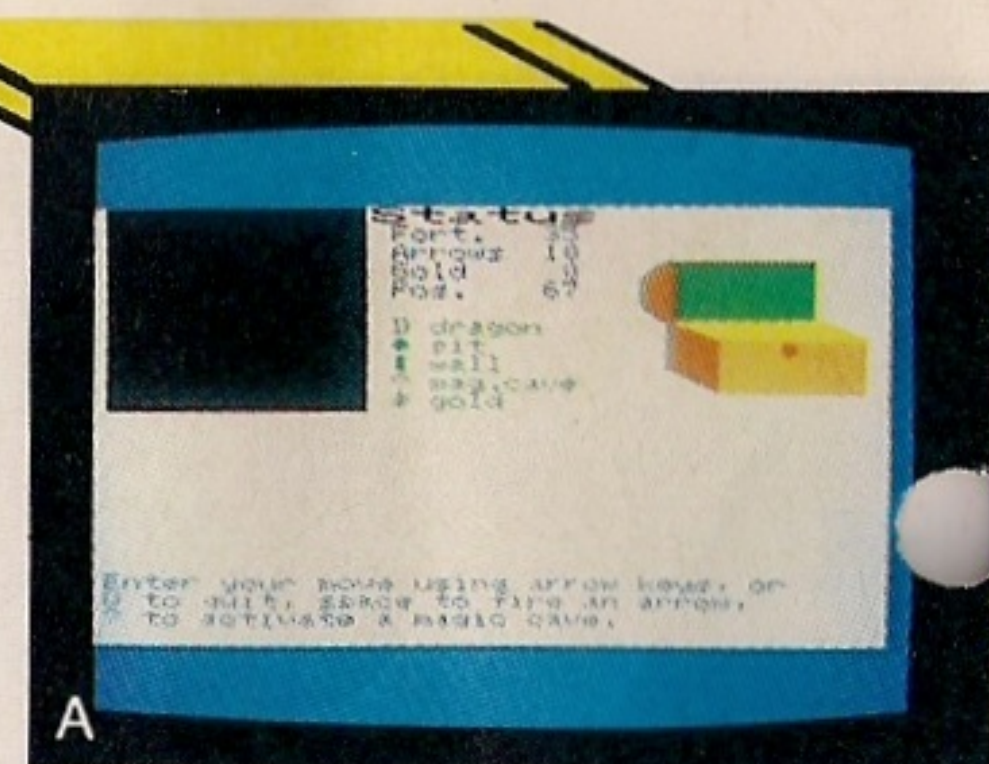


A. Dragonquest  
B. Monaco G.P.  
C. Pacar

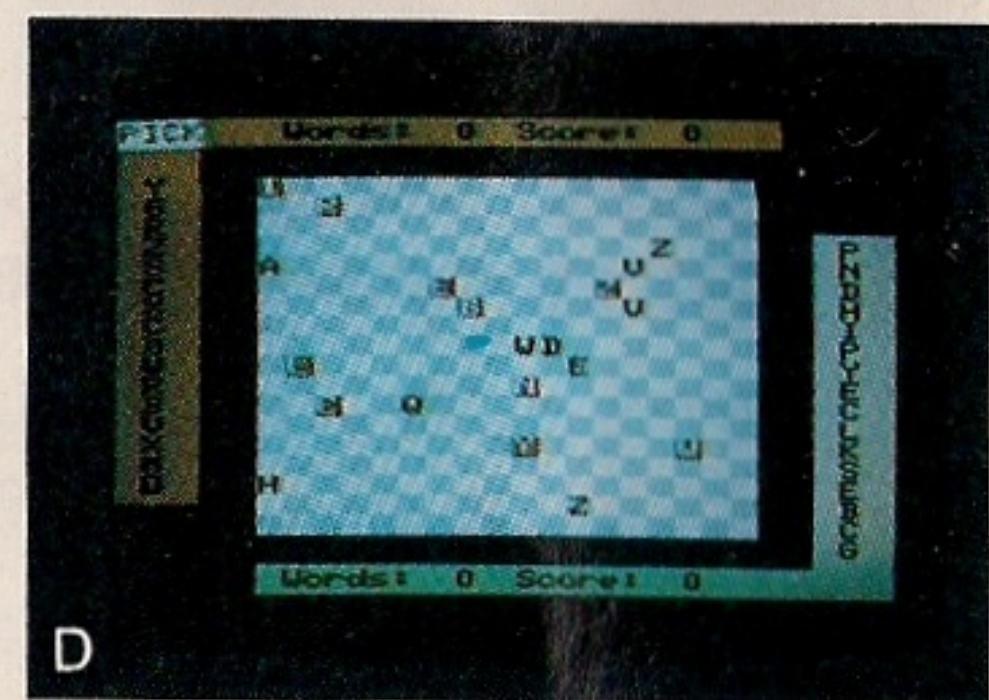
D. Wordblock  
E. Exerion  
F. Borderline

G. Blackjack  
H. Champion Golf  
I. Safari Race

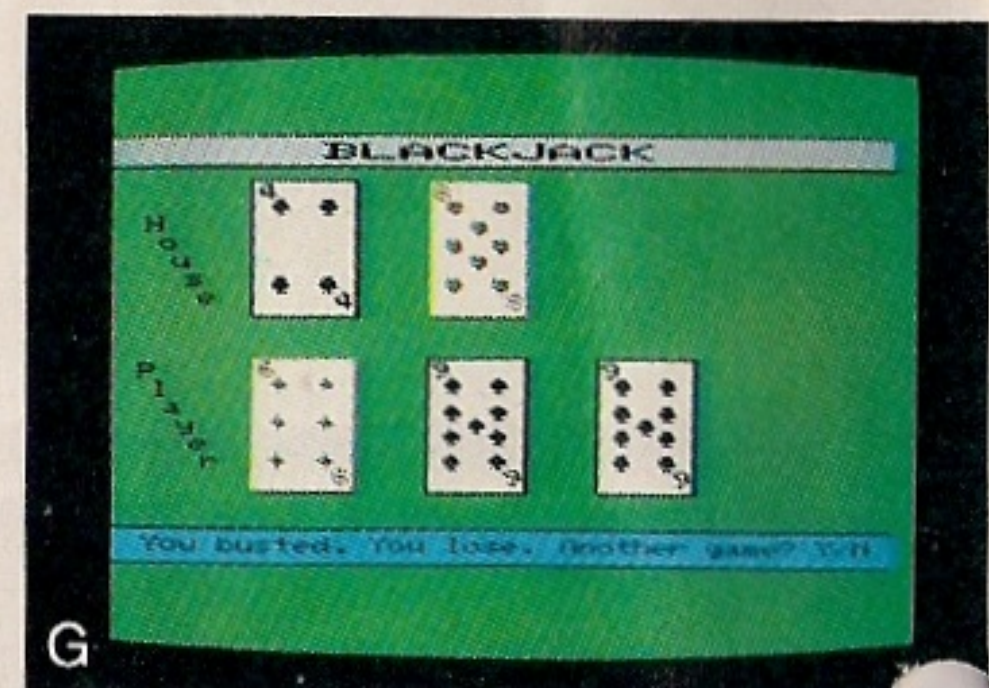
J. Ice Cream Stall  
K. Orguss  
L. Sinbad Mystery



A



D

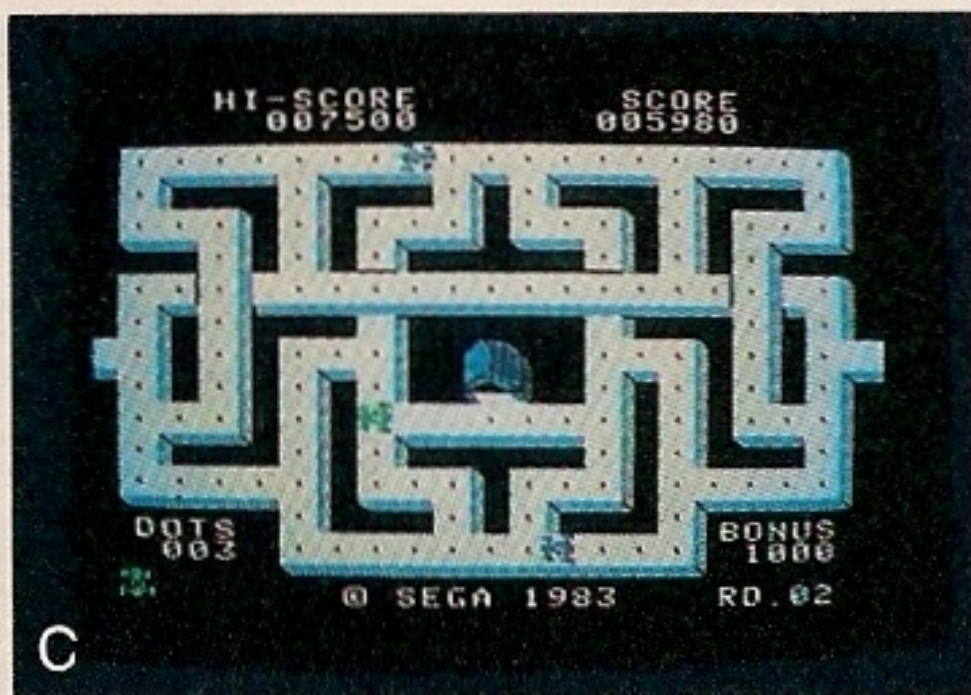
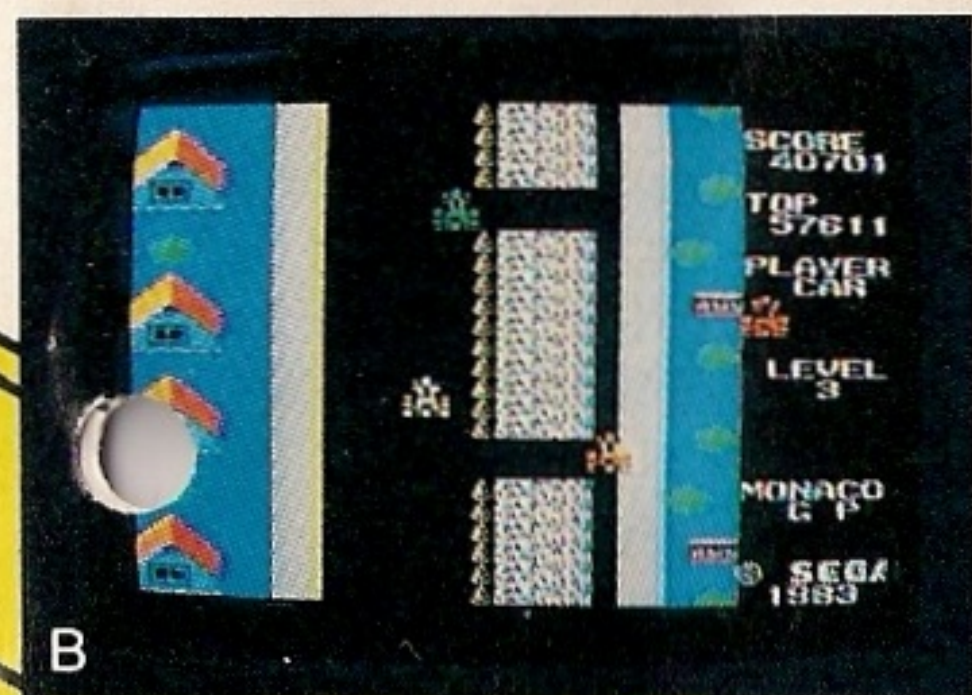


G



J







**You'll need the right sporting equipment to get the most enjoyment from your John Sands Sega game cartridges and cassettes!**

**John Sands Sega Steering Wheel/Accelerator.**

- Steering Wheel control.
- Hand accelerator.
- 2 independent control buttons.
- Great dashboard styling.

**John Sands Sega Joystick.**

- Tough.
- Arcade style.
- Two, independent, fire buttons.
- Immediate, positive response.

The very latest Joystick to be released by John Sands Sega. They're solid, tough, designed by the true specialists, fit your hand like a glove, and they work just like the ones you use in the arcades! Use one to play against your Sega computer, and plug a second one into the second port for any human opponents who may challenge you!

No champion should be without one of these John Sands Sega Steering Wheel/Accelerator units! You're just not doing your best unless you have one! Connects directly to your John Sands Sega computer... adds new and exciting dimensions to the game you're playing... and definitely makes you a winner!

**You're never short on software!**

Listed in this booklet are only some of the great programs and games you will enjoy using with your John Sands Sega. Many other software manufacturers have realised the potential and the popularity of this computer and are now producing much new and exciting, compatible, software.

**More information is always on the way.**

Several well known publishing companies are currently preparing extremely comprehensive books on home programming for the John Sands Sega computers.





We've kept one of our most unique features until last. Our free, 5 hour, computer course for every John Sands Sega home computer buyer!

The more you know about your John Sands Sega Home Computer, the more you're going to use it and the more you'll get from it.

We believe it is our responsibility to give every Sega owner as much help as we possibly can.

When you buy your computer, simply register the fact with John Sands Electronics – who will contact you shortly afterwards to invite you to two 2.5 hour sessions.

These courses are extremely comprehensive in the early facets of computer usage. Your Tutor will be an extremely well qualified computer teacher who will conduct each session on a hands-on basis too. You'll be actually using the computer for the duration of each lesson.

You will also receive printed note summaries of each session, to take home afterwards and share with other members of your family.

We'd like to point out that John Sands Electronics was the first company to introduce this free computer course on an Australia-wide scale. It is a further indication of our intention to back both our products and the people who buy them with every resource our organisation can offer.

We want you to enjoy your John Sands Sega total technology system for many, many, many years to come.

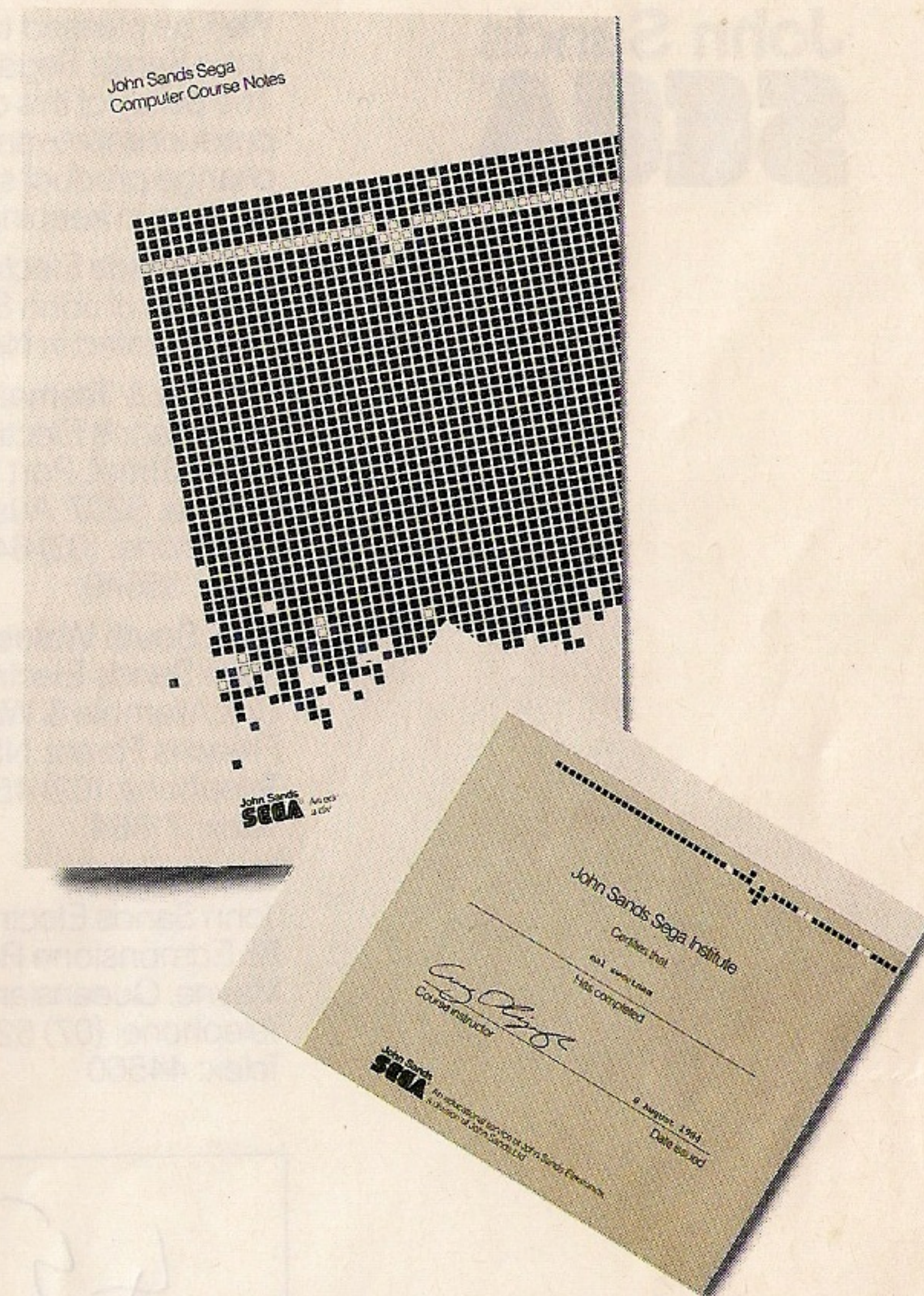
### Stop Press! Sega to Introduce LOGO Language.

John Sands Sega will introduce the LOGO language for the Sega home computer, on both cartridge (November 1984) and disk in October 1984.

LOGO is widely used in the computer studies curriculum in most Australian primary and secondary schools.

The LOGO language is an educational aid which has been developed and created through more than 10 years' of research at M.I.T. (Massachusetts Institute of Technology) in the USA; to develop problem-solving and logic skills.

Your children will have the advantage of being able to do home studies using Sega and LOGO in the same computer language they are using at school.







We'll be pleased to tell you everything about the John Sands Sega Home Computer System. The policy of this company is one of continuous product improvement. We maintain the right to change product specifications and performance features in keeping with this policy.

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